

## Claims

- [c1] 1.A method for remotely servicing a medical diagnostic imaging system, the method comprising:  
providing a shared computing environment for a remote computing system coupled to a medical diagnostic imaging system; and  
collaboratively interacting with the remote computing system via the shared computing environment to service the medical diagnostic imaging system.
- [c2] 2.The method of claim 1, wherein providing the shared computing environment comprises facilitating user collaboration between a plurality of remote computing systems via a network.
- [c3] 3.The method of claim 2, comprising communicating through the Internet.
- [c4] 4.The method of claim 1, wherein providing the shared computing environment comprises providing a shared interface to interact with the remote computing system.
- [c5] 5.The method of claim 4, wherein providing the shared interface comprises providing shared control of the remote computing system via the shared interface.
- [c6] 6.The method of claim 4, wherein providing the shared interface comprises simulating a graphical user interface of the remote computing system.
- [c7] 7.The method of claim 6, wherein simulating the graphical user interface comprises capturing screen data for a screen of the remote computing system.
- [c8] 8.The method of claim 1, wherein providing the shared computing environment comprises capturing, transmitting and caching screen data between the remote computing system and a desired computing system via the shared computing environment.
- [c9] 9.The method of claim 1, wherein providing the shared computing environment comprises facilitating communication between a plurality of

operating systems.

- [c10] 10.The method of claim 1, wherein collaboratively interacting with the remote computing environment comprises remotely monitoring the medical diagnostic imaging system.
- [c11] 11.The method of claim 1, wherein collaboratively interacting with the remote computing environment comprises remotely executing a service procedure for the medical diagnostic imaging system.
- [c12] 12.The method of claim 1, wherein collaboratively interacting with the remote computing environment comprises remotely controlling a service program disposed on the remote computing system.
- [c13] 13.The method of claim 1, wherein collaboratively interacting with the remote computing environment comprises remotely interacting with a user of the medical diagnostic imaging system.
- [c14] 14.The method of claim 13, comprising remotely guiding the user through a service procedure by collaboratively interacting with a shared graphical user interface viewable by the user and by a remote service technician.
- [c15] 15.The method of claim 1, wherein collaboratively interacting with the remote computing environment comprises interacting with a UNIX operating system.
- [c16] 16.A method for remotely training persons having a medical diagnostic imaging system, the method comprising:  
providing a collaborative computing environment between a trainee and a remote trainer for a medical diagnostic imaging system; and  
interactively instructing the trainee via the collaborative computing environment.
- [c17] 17.The method of claim 16, wherein providing the collaborative computing environment comprises interacting with a UNIX operating system.

- [c18] 18.The method of claim 16, wherein providing the collaborative computing environment comprises providing a shared user interface.
- [c19] 19.The method of claim 18, wherein providing the shared user interface comprises capturing, transmitting and caching screen data between computing systems for the trainee and the trainer.
- [c20] 20.The method of claim 18, wherein providing the shared user interface comprises providing mutual operability of an application configured for training the trainee.
- [c21] 21.The method of claim 18, wherein providing the shared user interface comprises simulating a graphical user interface for the medical diagnostic imaging system.
- [c22] 22.The method of claim 21, wherein simulating the graphical user interface comprises:  
capturing screen data for a display of the medical diagnostic imaging system; and  
transmitting the screen data to a remote display of the remote trainer.
- [c23] 23.The method of claim 16, wherein interactively instructing the trainee comprises remotely interacting with an operating system for the medical diagnostic imaging system.
- [c24] 24.The method of claim 23, wherein remotely interacting with the operating system comprises platform-independently interacting with the operating system.
- [c25] 25.The method of claim 16, wherein interactively instructing the trainee comprises remotely initiating events in the medical diagnostic imaging system.
- [c26] 26.The method of claim 16, wherein interactively instructing the trainee comprises remotely responding to operations of the medical diagnostic imaging system.

- [c27] 27.The method of claim 16, wherein interactively instructing the trainee comprises remotely interacting with a plurality of geographically separate trainees via the collaborative computing environment.
- [c28] 28.A method for collaborating between remote computing environments, including a medical diagnostic imaging system, the method comprising:  
initiating a link between remote computing environments;  
sharing a graphical user interface with the remote computing environments;  
and  
collaboratively interacting with a medical diagnostic imaging system coupled to one of the remote computing environments.
- [c29] 29.The method of claim 28, wherein initiating the link comprises communicating between a plurality of distinct operating systems for the remote computing environments.
- [c30] 30.The method of claim 28, wherein sharing the graphical user interface comprises providing independent and mutual control of an application associated with the graphical user interface.
- [c31] 31.The method of claim 28, wherein sharing the graphical user interface comprises:  
capturing screen data for a first display of a first one of the remote computing environments; and  
transmitting the screen data to a second display of a second one of the remote computing environments.
- [c32] 32.The method of claim 31, wherein sharing the graphical user interface comprises caching the screen data on a memory assembly.
- [c33] 33.The method of claim 28, wherein collaboratively interacting with the medical diagnostic imaging system comprises collaborating operations with a plurality of persons operating the remote computing environments.
- [c34] 34.A system for collaboratively interacting between remote computing

environments associated with a medical diagnostic imaging system, the system comprising:

a first computing system coupled to a medical diagnostic imaging system;

a second computing system remotely coupled to the first computing system via a network; and

a user interface shared by the first and second computing systems for collaboratively interacting with the medical diagnostic imaging system.

[c35] 35.The system of claim 34, wherein the user interface comprises a graphical interface operable on one of the first and second computing systems.

[c36] 36.The system of claim 35, wherein the graphical interface is simulated on a different one of the first and second computing systems.

[c37] 37.The system of claim 36, wherein the first computing system comprises an application providing the graphical interface and the second computing system comprises a simulation of the graphical interface.

[c38] 38.The system of claim 37, wherein the simulation comprises screen data corresponding to the graphical interface.

[c39] 39.The system of claim 37, wherein the user interface facilitates mutual control of the application by both the first and the second computing systems.

[c40] 40.The system of claim 37, wherein the user interface facilitates real time shared operability of the medical diagnostic imaging system.

[c41] 41.The system of claim 40, comprising a safety routine to prevent undesirable operation of the medical diagnostic imaging system.

[c42] 42.The system of claim 40, comprising a cache memory assembly coupled to the network for caching screen data for the user interface.